

## Purchasing Receipts

Plex 10/25/2018 4:20 PM *dart. Tollis. Andrew*



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## PURCHASE ORDER PO041406

E-Purchasing  
ECD 7 3 2018

<b>Supplier:</b>	MES002-VC Metaux Solutions 2625 boul Jacques-Cartier Est Longueuil QC J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044	<b>PO No:</b>	PO041406
		<b>PO Date:</b>	10/22/18
		<b>Due Date:</b>	10/29/18
		<b>Purchase Order Revision:</b>	
		<b>Revision Date:</b>	
		<b>Ship-To Contact:</b>	Lavoie, Chantal Phone: clavoie@dartaero.com
<b>Ship To:</b>	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	<b>Via:</b>	Ground
		<b>Pymt Terms:</b>	Net 60
		<b>Freight Terms:</b>	
		<b>Special Comments:</b>	

### Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M304TS0.750W.049		304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	-	10/29/18	500 ft	✓ 0 ft 500 ft		\$3.80/ft	\$1,900.00 M 18/10/25
2		M304B0.250x0.500		304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	10/29/18	200 pcs	✓ 0 pcs 200 pcs		\$4.0521/pcs	\$810.42 M 18/10/25
<b>Grand Total:</b> \$2,710.42												



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**PURCHASE ORDER  
PO041406**

**Order Notes**

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

A handwritten signature in black ink, appearing to read "CL" above a larger, oval-shaped signature that looks like "MM".

Plex 10/22/18 10:35 AM dart.lavoie.chantal

## Shipping Order

25/10/2018

METAUX SOLUTIONS INC  
 2625 BOUL JACQUES CARTIER EST  
 LONGUEUIL, QUEBEC  
 J4N 1L7                    **Tel.:** 450 641-3330

**Order** : 139111  
**Reference** : 41406  
**Ship** : PICK UP / PICK UP

**Customer:** 6323336**Ship To**

DART AEROSPACE LTD  
 1270, ABERDEEN STREET  
 HAWKESBURY, ONTARIO  
 K6A 1K7

Same

**Tel.:** 1 613 632-3336

<b>Item No.</b>	<b>Description</b>	<b>Qty</b>	<b>Qty. Delivered</b>	<b>B/O Qty</b>
SSQT34340494	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 SQ TUBE .750 X .049 WALL 25 x 20' ***** ht;9H855	500	500	0
SF14124HR	304 STAIN FLA .25" X .500" HR 16 x 13' ht;67736108	208	208	0

ship journey collect

jp

**Shipping** : \_\_\_\_\_**Ref.** : \_\_\_\_\_**Package No.** : \_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_**Merchandise Received:** \_\_\_\_\_

# Material Certification

ISO 9001:2015  
ISO 14001:2004  
EN 10204/3.1B

KINGMAKER STEEL CO., INC  
133 BELMONT DRIVE  
SOMERSET, NJ 08873  
Tel.: 732-302-1800  
Fax: 732-302-1822  
www.KingmakerSteel.com



SOLD TO

SHIP TO

Item No.	Description (Form, Size, Finish)	Spec (ASTM)	Grade	Finish	Country of Origin	Heat No.	Chemical Composition (%)							Mechanical Properties					Country Code	USA = United States			
							C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu	Tensile (N/mm)	Yield (N/mm)	Elongation (%)	Hardness HRB	Flattening Test	Hydrostatic Test (Mpa)	Eddy Current
1	SQ. 3/4" X 0.049W X 20' NF	A554-16	304/L	MF	VNM	9H855	.015	.430	1.10	.035	.003	18.21	8.07			698.00	352.00	46.00	89.50				

Specifications: ASTM A554 = Stainless Steel T.I.G. Welded Tubing  
ASTM A36S = Stainless Steel T.I.G. Welded Tubing  
ASTM A312 = Stainless Steel T.I.G. Welded Pipe  
ASTM A240/A40 = Stainless Steel SIE Flat Bars\*

Finish: MF = Mill Finish  
#HG = #Grit Polished  
A&P = Annealed and Pickled

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A276 AND ASTM A479 - CHEMISTRY ONLY.  
FLAT BARS CONFORM TO ASTM A240 AND ASTM A479 - CHEMISTRY ONLY.

TWN = Taiwan  
VNM = Vietnam

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING  
D

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

ASTM A554 MILL FINISH  
ASTM A269 MILL FINISH  
OR  
FINISH:

M304TS | A. AAA | W | TTT | WALL | W/BTH

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

WHERE:  
 AAA = WIDTH IN INCHES  
 TTT = WALL THICKNESS IN INCHES

RELEASED  
2014-05-26  
1409

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10

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6

<b>DART AEROSPACE LTD</b>	
HAWKESBURY, ONTARIO, CANADA	
DESIGN	DS
DRAWN	DB
CHECKED	(1)
MFG. APPR.	1
APPROVED	<i>John</i>
DE APPR.	<i>John</i>
DATE	14.05.20
REV. D	1
SCALE	None
DRAWING NO	
M30415	
TITLE	
3041316 SQUARE TUBING	
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304TS 0.750W.049  
 DATE: 18/10/25

PO / BATCH NO.: P0041406 / S121679

MATERIAL CERT REC'D: Y  
 QUANTITY RECEIVED: 500ft  
 QUANTITY INSPECTED: 500ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750"  
 THICKNESS RECEIVED: 0.750"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	Y <u>N</u>	ASTM A554
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	Y <u>N</u>	HT: 9H855
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	
CORRECT M# ON THE MATERIAL	Y <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/10/25</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

<b>BOLLINGHAUS</b> STEEL Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458		Abnahmeprüfzeugnis / Mill Test Certificate / Certif. de Qualidade EN 10204:2004 / 3.1 Unsere Innere Verweisung / Our Int. Ref. / N. ref Int 5000038278 000010								No.: / Nr.: / N.º: 0000136628 Datum / Date / Data 19.12.2017					
Spezifikation / Standards / Normas TYPE 304/UNS S30400 and TYPE 304L/UNS S310103 acc. to ASTM A276/A276M-16a, ASTM A182/A182M-16a, ASTM A193/A193M-16, ASTM A479/A479M-16a, ASTM A320/A320M-15a, ASTM A314-15, ASTM A282-15 Pract. E, AMS QQ-S-783D, AMS 5839J, AMS 5847K, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per															
Kunde / Customer / Cliente ....						Endgültiger Kunde / Final Customer / Cliente Final									
Bestell Nr./Order Nr./Enc.Nr. c110766						Bestell Nr./Order Nr./Enc.Nr. c110766.1									
Produktgruppe / Product Group / Grupo Produto AISI 304/L FLAT 1/4 X 1/2"						Gewicht / Weight / Peso			Bunde / Bundle / Atados						
Werkstoff-Nr. Material-no. Qualität						Werkstoff-Normbezeichnung / Material standard grade / Norma do material X 2 CrNi 18-9									
Beschreibung / Description / Descrição Stainless steel / flat bars, hot rolled, heat treated, straightened and pickled US DFAR 252.225-7009: MELT SOURCE: France / MFG: Portugal.															
Schmelzen Nr. Cast no./Fusão nr. 67736108		Chemische Analyse in % / Chemical composition in % / Análise química em %													
EAF+AOD		C	0.018	Si	0.525	Mn	1.164	P	0.029	S	0.025	Cr	18.127	Ni	8.045
Proben Nr. Test no. Amostra no.		ASTM E399		ASTM A370											
4038051.01.01		Kettenschlagarbeit Impact Test Resistência (Charpy V)		Streckgrenze Yield point Tensile limit		Dehngrenze 1% point Límite de extensão		Zugfestigkeit Tensile strength Tensão de tração		Dehnung Elongation Alongamento		Einschmelzung Reduction of area Cool. Esferição			
		[J]		Rp 0,2 %		Rp 1,0 %		Rm		A5		40			
		[Ksi]		[Ksi]		[Ksi]		[%]		[%]		[%]			
		-		48		57		83		53.9		56.4			
Visuelle Kontrolle Visual inspection Inspeção visual		<input checked="" type="checkbox"/> Ok		ASTM E10		Härte Hardness Dureza		195		ASTM A262 Practice E		Wärmebehandlung Heat treatment Tratamento térmico			
ASTM A484 Maßkontrolle Dimensional inspection Inspeção dimensional		<input checked="" type="checkbox"/> Ok		ASTM E112		Korngröße Grain size Tamanho do grão		9		Korrosionsbeständigkeit IC Test Corrosion intercorrosional		<input checked="" type="checkbox"/> OK			
Verwechslungsprüfung Test of identity Teste de identificação		<input checked="" type="checkbox"/> Ok		Makroskopische Untersuchung Macrographic test		Material free from segregation defects		396		Abnahmeverantwortlicher Authorized Inspector Representative Inspectador de Qualidade		Annealed Quenched 1900 °F (1050 °C) (water quenched)			
Bemerkungen / Remarks / Observações		Bollinghaus Steel, SA													
Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according the mentioned standards. Confirmamos que este material respeita as especificações do acordo com as normas referidas.															
Country of origin: Portugal, No weld repair done. Material is free of mercury and radiation contamination.															

008640

# SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: AISI304/316 SS BAR OR AISI304/316 SS PLATE  
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION:  
ASTM A276 (OR) ASTM A240

PART NUMBER:  
M304B|T,TTT|X|WWW|WWW|  
THICK| WIDTH

WHERE "T,TTT" = THICKNESS IN INCHES  
AND "WWW,WWW" = WIDTH IN INCHES

△ EG. 0.5" x 3.0" BAR = M304B0.500X03.000  
EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

S E C U R E D	
	2010-11-30
C	ADDED DATE TO PURCHASE MATERIAL ADDED PLATE RELATED SPECIFICATIONS, AND EG: CHANGED TITLE FROM 304/316 BAR TO 304/316 BAR/PLATE
B	REFORMAT DWG. AND SPECS (ZIN D6-1). REF PAR 08-020A
A	NEW ISSUE
REV	DESCRIPTION
	D

D A R T A E R O S P A C E L T D	
	HAWKESBURY, ONTARIO, CANADA
DRAWN	DRAWING NO.
CHECKED	REV. C
MFG. APPR.	M304B
APPROVED	SHEET 1 OF 1
DE APPR.	TITLE
DATE	SCALE
10.11.25	304/316 BAR/PLATE

NTS  
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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT304B0.250 x 0.500  
 DATE: 18/10/25

PO / BATCH NO.: P0041406/5121680

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 208 ft  
 QUANTITY INSPECTED: 208 ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250"  
 THICKNESS RECEIVED: 0.250"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>ASTM A276</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>HT: 67736108</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/10/25</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in